

METHOD, SYSTEM AND COMPUTER PROGRAM PRODUCT FOR  
ANALYZING MAINTENANCE OPERATIONS AND ASSESSING THE  
READINESS OF REPAIRABLE SYSTEMS

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ABSTRACT OF THE DISCLOSURE

An automated method, system and computer program product for assessing  
the readiness of a plurality of repairable systems, such as a fleet of aircraft, are  
provided. In addition to identifying the repairable systems that will be operational,  
the relative state of readiness of the repairable systems is determined such that the  
10 repairable systems that are most likely to successfully complete the designated task  
can be selected. Additionally, an automated method of analyzing the maintenance  
operations performed upon a plurality of repairable systems, such as a fleet of aircraft,  
is provided. In this regard, the relative states of readiness of the repairable systems  
are determined and maintenance resources are allocated based upon the respective  
15 measures of the relative states of readiness of the repairable systems. As such,  
maintenance operations scheduled for the aircraft that will have the greatest state of  
readiness upon completion of the maintenance operations can be prioritized.

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